

Ohio State 2003 – Answer Key

1. Away from the observer
2. 2350 km/s
3. Type I Supernova
4. 12.8
5. -19.9
6. 35 Mpc
7. 7 Mpc
8. 14.5 Billion Years
9. Cepheid Variable
10. 16 Days
11. -5
12. 5000 pc
13. 5
14. 18.5
15. 500 kpc
16. 1,000,000,000 years
17. 10 kpc
18. No, it could not, because it is closer than the cluster
19. 6 solar units, 3
20. 1.4 solar masses
21. 219 solar units, -1, 3.17 solar masses
22. 17,000 Kelvin, 2.83 solar units
23. 1.85 solar units, 1,280,000 km
24. 0.54 astronomical units, 80,400,000 km
25. 12 hours